Professional Desktop Label Printers

TD-4100N
TD-4420DN
TD-4550DNWB

Brother's range of TD Professional Label Printers offer the ability to print high quality labels on demand, whatever the requirement. Printing labels up to 108mm in width, and with direct thermal print technology, they fit the requirements of a large range of vertical market applications.

TD Professional Desktop Label Printers

Seamless Integration

Brother's new high specification, Desktop Label Printers bring you improved operational efficiency with easy to use, continuous, high speed label printing. Combined with seamless integration and modular design, print from virtually anywhere in the workplace. Supporting a variety of printer command languages, including ZPL II*, emulation allows you to integrate into existing legacy systems.

*Not available on TD-4100N

| TD-4100N | TD-4420DN | TD-4550DNWB |

Labels are often required to display a considerable amount of important information. You need a printer that can put it all together efficiently, with consistent, high-quality results.

The TD Series of Desktop Label Printers offers direct thermal high speed printing, at up to 300dpi resolution. Options include a peeler* or automatic cutter for producing continuous media to your required length or demand.

The software supports barcode printing, embellished font programming to highlight specific words and the import of graphics and date formats for a truly personalised solution.

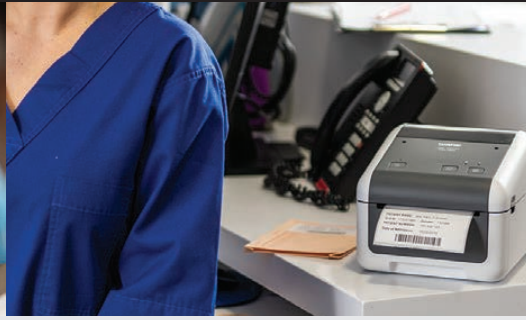*Not available on TD-4100N (Built-in Cutter)

TD-4550DNWB

Direct Thermal Printing Technology

Low-cost, high-volume labels can be created through this process, which uses a heat-sensitive coating and thermal print head, meaning traditional printing ribbons and ink are not required. Ideal for shorter term and less permanent labelling uses.

Healthcare, Medical and Laboratory Applications

Clear, quality labelling is essential in maintaining safety and traceability in the tracking and identification of patient specimens and other similar items within the healthcare industry. These include:

- Appointment Cards
- Admission Labels
- Specimen and Pathology Labels
- Blood Bag Labels
- Laboratory Labels
- Microbiology Labels
- Dosage for Medicine Bag Labels
- Medicine Bottle Dosage Information

Warehousing and Logistics Applications

The TD Label Range offers the most common sizes of shipping labels as well as the ability to create custom size labels. This in turn allows productivity to increase as you can effortlessly create any type of label you need. Some examples include:

- Shipping Labels
- Carton Labels
- Location Labels
- Pallet Identification Labels
- Quality Control Labels
- Compliance Labels

Retail Applications

Easy to read labels are essential for consumers to help make informed decisions prior to a potential purchase. The high print resolution and high quality labels used in this range ensure that every output printed looks professional. Offering sharp text, logos and barcodes with a high contrast, you're ensured to get effortless scanning at checkout every time. Some examples include:

- Pricing Labels
- Barcode Labels
- Pre-packed Food Ingredients Labels
- Nutrition Information Labels
- Shelf Edge Labels
- Sale/Mark-down/Discount Pricing Labels

Additional Options: TD-4420DN and TD-4550DNWB

Brother has designed and engineered a wide range of accessories to help customise the solution to meet your specific labelling requirements. Brother accessories help users equip their device to cope with the specific requirements of use.

PA-LP-001
Label Peeler

Compatible with:
TD-4420DN
TD-4550DNWB

PA-CU-001
Cutter

Compatible with:
TD-4420DN
TD-4550DNWB

PA-HU2-001
Thermal Print Head (203dpi)

Compatible with:
TD-4420DN

PA-HU3-001
Thermal Print Head (300dpi)

Compatible with:
TD-4550DNWB

PA-PR2-001
Platen Roller (203dpi)

Compatible with:
TD-4420DN

PA-PR3-001
Platen Roller (300dpi)

Compatible with:
TD-4550DNWB

Software Support Features and Compatibility

You can now choose the best option for all of your label printing needs. Brother's Label Design Apps allow the TD Range to easily integrate with your desktop PC's, mobile devices or SDK's. Printer drivers are available for Windows OS and Software Development Kits are available to support Windows Mobile, Android and iOS operating Systems.

P-touch Editor

Supplied as standard, you can create your own custom labels with pixel precision by using this powerful software solution. Create any label design with features such as support for over 15 barcode protocols, advanced image dithering (for high qiuality grayscale image printing), and the ability to link to data contained in Excel speadsheets for batch label printing.

Crop Function

Built into the Windows driver, this function helps take away the inconvenience of using A4 sheets of labels in your standard printer. This clever feature automatically scans through the documents and extracts shipping or product labels one at a time where a barcode is present and then prints them as individuals on the Brother Label Printer.

Template Mode

Design the required document on your Windows PC, including logos and barcodes. Once transferred and stored in the printer's memory, the template can be recalled and any data replaced, before printing with just a few short commands.

Mobile Deploy

Cloud-based app for mobile devices (iOS and Android™), which allows IT administrators to remotely update and configure multiple Brother Mobile Printers. Using the Mobile Deploy App, the administrator can easily upload new update packages to an online location, and then share the URL's with the users. (TD-4550DWNB Only)

Software Development Kits

Brother can also supply a selection of free of charge Software Development Kits (SDK's) and commands to give you an easy method of label printing from unique applications to the Brother Label Printers. Download Kits available from: https://www. brother.co.jp/eng/dev/index.aspx

Printer Commands

With support for ZPL II* emulation and a variety of additional printer command languages, developers can easily integrate printing into existing legacy systems (see specification tables for further details).

*Not available on TD-4100N

Software Compatibility may vary dependant on model, the below table indicates which App is available for which Label Printer. For further details, visit: https://support.brother.com

	TD-4100N	TD-4420DN	TD-4550DNWB
P-touch Editor	✓	✓	✓
Mobile Deploy App			✓
Brother Font Manager		✓	✓
Printer Settings Tool		✓	✓
Crop Function (Windows Driver)			✓

	TD-4100N	TD-4420DN	TD-4550DNWB
PRINTING			
Print Technology	Direct Thermal		
Print Speed	110mm/sec	203mm/sec	152mm/sec
Resolution	300dpi	203dpi	300dpi
Max. Print Width	98.6mm	104.1mm	108.4mm
Min. Print Length	25.4mm	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm	
Max. Print Length	3000mm		
Media Sensor Type	Gap (Transmissive)	Gap (Transmissive), Bar (Reflective)	
Media Sensor Location	Gap (Fixed)	Gap (Fixed), Reflective (Adjustable)	
Tear Off Release Mode	Manual/Auto Cutter	Standard: Continuous, Tear Off Optional: Peeler, Cutter	

MEDIA			
Media Types	Receipt (Non-coated & Coated), Die Cut Label, Continuous Length Label	Wristbands, Continuous, Die Cut, Fan Fold, Perforated, Tag	
Media Thickness	Without Adhesive: 0.08mm - 0.155mm / With Adhesive: 0.08mm - 0.170mm	0.058mm - 0.279mm	
Media Width	19mm - 105.6mm	19mm - 118.1mm	
Media Length	25mm - 3,000mm	6.4mm - 3,000mm	
Diameter (Max)	101.6mm	127mm	
Core Diameter (Max)	25.4mm	12.7mm	

CONNECTIVITY			
USB	USB Version 2.0 (Full Speed) Type B		
USB Host Capability			Yes
Serial	Serial RS232C (DB9 Male)		
Wired LAN	10/100BASE-TX		
USB Host Port			Yes
Bluetooth			Version 4.2
Bluetooth Profile			SPP, OPP, HCRP, Bluetooth Classic, GATT (Bluetooth Low Energy)
Wireless LAN			802.11a/b/g/n
Wireless LAN Security			Authentic Method (Encryption Scheme) Infrastructure Mode - Open System (None/WEP64/WEP128) Common Key Authentication (WEP) WPA/WPA2-PSK (TKIP+AES), EAP-FAST (TKIP/AES), PEAP (TKIP/AES), EAP-TLS (TKIP/AES), EAP-TTLS (TKIP/AES) Authentic Method (Encryption Scheme) Wireless Direct Mode - WPA2-PSK (AES)
MFI Support	No	No	Yes
AirPrint	No	No	Yes
Wired LAN	Yes	Yes	Yes

GENERAL			
Control Panel	3 Button 1 LED	3 Button 3 LED	7 Button 3 LED
LCD Type	None	None	Mono

The Range In Detail

	TD-4100N	TD-4420DN	TD-4550DNWB

POWER

Adapter	Built-in	AC Adaptor (100 - 240V 50/60Hz)

SOFTWARE

Operating System Support	Windows XP/Vista 7/8/10, Windows Server 2008/2008R2/2012/2012R2/2016/2019, Linux	Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016/2019, Linux
Supported Printer Commands	P-touch Template, ESC/P	P-touch Template, ESC/P, Raster, ZPL II Emulation, CPCL Emulation
Barcode Symbologies	CODE39, CODE128, UCC/EAN-128 (GS1-128), ITF(I-2/5), CODABAR-(NW-7), UPC-A, UPC-E, EAN13(-JAN13), EAN8, GS1 DataBar(RSS) (GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked), PDF417(Standard, Truncate, Micro), QR Code(Model 1, Model 2, Micro), Data Matrix (ECC200 Square, ECC200 Rectangular), MaxiCode	Linear: CODE 39, ITF(I-2/5), EAN-8(JAN8), EAN-13(JAN13), UPC-A, UPC-E, CODABAR (NW-7), CODE 128, GS1-128(UCC/EAN 128), GS1 Databar (Standard (Omnidirectional)/Truncated/Stacked-/Stacked Omnidirectional/Limited/Expanded), CODE93, POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode 2-dimensional: QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec
Internal Fonts	Bitmap fonts: Helsinki, Brussels, Letter Gothic Bold, San Diego, Brougham. Outline fonts: Helsinki, Brussels, Letter Gothic	ESC/P> Bitmap font: LetterGothicBold (16,24,32,48dot), Helsinki (16,24,32,48dot),Brussels (24,32,48dot), Brougham (24,32,48dot), San Diego (24,32,48dot), Gothic (16,24,32dot) , Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 – 400dots) <P-touch Template> Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 – 400dots) Downloadable font support* via Font Manager software * Font Licensee Permissions are required.

MEMORY

RAM	16MB	256MB
Flash	8MB	64MB

ENVIRONMENTAL

Operating Temperature	10 ℃ - 35 ℃	5 ℃ - 40 ℃
Operating Humidity	20 - 85% (No Condensation)	20 - 85% (No Condensation, Max Wet Bulb Temperature: 27 ℃)
Storage Temperature	-20 ℃ - 60 ℃	
Storage Humidity	10 - 90% (No Condensation)	

WEIGHTS AND DIMENSIONS

Dimensions (mm)	173(w) x 229(d) x 158(h)	180(w) x 155(d) x 224(h)
Weights	1.83kg	2.08kg

INCLUDED ITEMS

Supplied in Box	102mm Continuous Black on White Label Roll (2m Starter Roll), 51mm x 26mm Black on White Die Cut Label Roll (60 Labels), AC Cord, USB Cable, CD-ROM Containing Software, Drivers and User Guide	AC Adaptor & Cord, USB Cable Documentations

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